

Glasses; or by comparing two Bubbles of Water blown at distant times, in the first of which the whiteness appeared, which succeeded all the Colours, and in the other, the whiteness which preceded them all.

O B S. XXIV.

When the two Object-Glasses were lay'd upon one another, so as to make the Rings of the Colours appear, though with my naked Eye I could not discern above 8 or 9 of those Rings, yet by viewing them through a Prism I have seen a far greater multitude, insomuch that I could number more than forty, besides many others, that were so very small and close together, that I could not keep my Eye steady on them severally so as to number them, but by their extent I have sometimes estimated them to be more than a hundred. And I believe the Experiment may be improved to the discovery of far greater numbers. For they seem to be really unlimited, though visible only so far as they can be separated by the refraction, as I shall hereafter explain.

But it was but one side of these Rings, namely, that towards which the refraction was made, which by that refraction was rendered distinct, and the other side became more confused than when viewed by the naked Eye, insomuch that there I could not discern above one or two, and sometimes none of those Rings, of which I could discern eight or nine with my naked Eye. And their Segments or Arcs, which on the other side appeared so numerous, for the most part exceeded

exceeded not the fraction was very the Object-Glass came also confused even whiteness, the whole Arcs distinct than before them designed in

The Arcs, which white and black Colours intermixed Colours, whose in such manner, the Object-Glass further off towards 3d, 4th, and following that emerged beneath into it afterwards emerged the ends of the changed.

I have sometimes the other, that seemed uniformly of any of the Colours them through a Prism I have discovered that of Muscovy-glass Lamp-furnace, with any Colours to the exhibited a generally up and down